

## X22B BEAMLINE SAFETY CHECKLIST

Revised 17 October 1997

- [ ] X22B-1. Do not unseal beamline isolation valve (Valve 1B) unless front end ion gauge reads less than  $2 \times 10^{-9}$  Torr. Reclose valve if pressure exceeds  $5 \times 10^{-9}$  for more than 10 seconds.
- [ ] X22B-2. Valid padlock checklist. Validation date: \_\_\_\_\_
- [ ] X22B-3. Exclusion Zone 1 between Isolation Valve and Bremsstrahlung Shield 1 (BS-1). See Photograph A.
- [ ] X22B-4. Bremsstrahlung Shield 1 (BS-1). Banded. See Photograph A.
- [ ] X22B-5. Exclusion Zone 2 downstream of Bremsstrahlung Shield 1 (BS-1). See Photograph B.
- [ ] X22B-6. Lead Shield downstream of Exclusion Zone 2. See Photograph B.
- [ ] X22B-7. Lead Shield on Bellows upstream of Exclusion Zone 3. See Photograph C.
- [ ] X22B-8. Exclusion Zone 3 upstream of Bremsstrahlung Shield 2 (BS-2). See Photograph C.
- [ ] X22B-9. Bremsstrahlung Shield 2 (BS-2). Banded. See Photograph C.
- [ ] X22B-10. Lead Shield downstream of Bremsstrahlung Shield 2 (BS-2). See Photograph C.
- [ ] X22B-11. Lead Shield on Bellows upstream of Bremsstrahlung Shield 3 (BS-3). See Photograph D.
- [ ] X22B-12. Bremsstrahlung Shield 3 (BS-3). Banded. See Photograph E.
- [ ] X22B-13. Lead Shield downstream of Bremsstrahlung Shield 3 (BS-3). See Photograph E.
- [ ] X22B-14. Lead Shield upstream of Be Window 1B.
- [ ] X22B-15. Lead Shield on Bellows downstream of Mirror Tank.
- [ ] X22B-16. Lead Shield Skirt and Leaded Glass on Viewport below Beamline Slits s2v.
- [ ] X22B-17. Lead Shield on Bellows downstream of Be Window 2B.
- [ ] X22B-18. Check Monochromator Purge Log and Pressure Gauge. Pressure should read positive 1 to 3 psi. If not, notify Bill at x2377, or Scott at x7110.
- [ ] X22B-19. Beam Stop (BS-10) (inside hutch). See Photograph F.
- [ ] X22B-20. Exclusion Zone 4 around Monochromator inside hutch. See Photograph F.

[ ] X22B-21. Hutch roof sliding access panel closed and locked inside.  
Padlock #B7, 9 capture points.

CHECKS COMPLETED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

Page 1 of 1